

FEATURES:

- Wide input range: 85-450VAC
- Short-circuit protection, over current protect, over voltage protect, over temperature protect
- Efficiency(typ):85%
- Switching frequency: 65Khz
- No load power(typ):2.5W
- Metal case
- PCB mount



Selection Guide

Part No.	INPUT		OUTPUT				Capacitive Load(μF)
	Normal (Vac)	Range (Vac)	Voltage (V1dc)	current (mA)	Voltage (V2dc)	current (mA)	
LA20-400S09C	400	85-450	9	2200			
LA20-400S12C			12	1700			
LA20-400S15C			15	1300			
LA20-400S20C			20	1000			
LA20-400S24C			24	800			

customized accepted, pls contact sales for details

Input Specifications

Input Voltage Range	Input Voltage Range (Vac)	nominal input voltage	Max (Vac)
	85-450	400	450
Input Filter	Capacitive Filter		
Ctrl	NONE		
	NONE		
Hot Plug	Unavailable		

Output Specifications

Item	Typ	Max	Test Conditions
Voltage Accuracy	±1%		
Line Regulation	±0.1%		
Load Regulation	±0.5%		
Ripple&Noise	60mVp-p		20MHz Bandwidth, full load

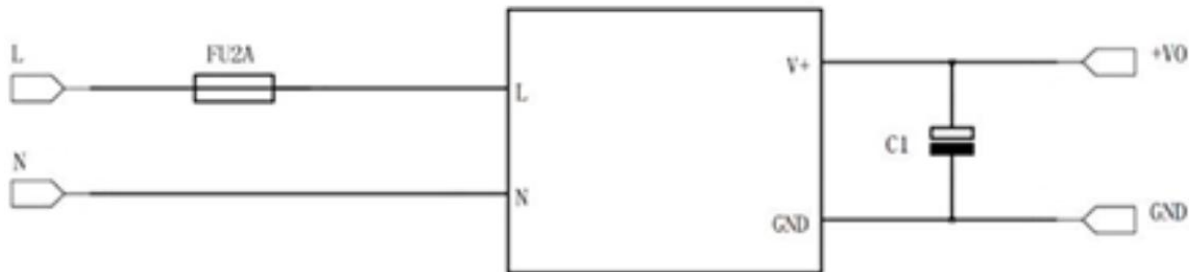
General Specifications

Switching Frequency	65KHz(Typ)	100% full load, nominal input voltage
Short-Circuit Protection	Continuous, self-recovery	
Isolation (Input-Output)	3000VAC	Input-output electric strength test for 1 minute with a leakage current
Operating Temperature	-30~+70℃	
Storage Temperature	-40~+70℃	
Storage Humidity	<95%	Non-condensing
Cooling Method	Free air convection	

Case Material	Metal case	
Weight	30g (Typ)	

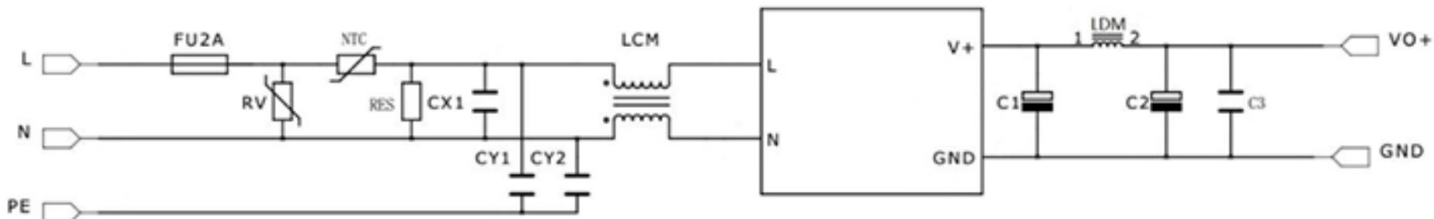
**Unless specified, otherwise all other parameters are tested under the following conditions: nominal input voltage, pure resistive load, 25℃ room temperature environment.

Recommended Circuit



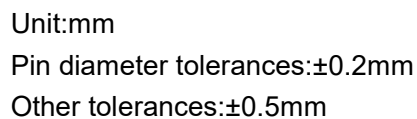
FU2A: Slow-blow fuse,T4A 500V
C1:Electrolytic capacitor

EMC Circuit



Item	Value
FU2A	T4A 500V
RV	14D751
NTC	10D-11
RES	2MΩ/2W
LCM	UU9.8 50mH size:0.23
CX1	0.33uF/630V
CY1,CY2/Y2	222M/250V
LDM	Rod-shaped inductor,5*20,size:1.2,12.5 circle,3.3UH
C3	Ceramic capacitor,104/50V
OUTPUT Voltage	C1,C2
5V/6V	10V/3300uF
9V/12V/15V	25V/2200uF
20V/24V/28V	35V/1000uF

Dimensions and Recommended Layout



Pin	Single			
1	AC			
2	AC			
3	+Vo			
4	GND			